

AMENDMENTS THE CLAIMS

The text of all pending claims, including withdrawn claims, is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. When strikethrough cannot easily be perceived, or when five or fewer characters are deleted, [[double brackets]] are used to show the deletion. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 4, and 9 in accordance with the following:

1. (CURRENTLY AMENDED) A method of producing printed matter containing a direct-reading material and an additional material related to the direct-reading material by an information processing apparatus, the direct-reading material comprising text and pictures, and the additional material comprising text, sound, and images related to the direct-reading material, the method comprising:

converting primary data of the additional material into secondary data in the form of codes for high-density display;

determining the additional material linked with the direct-reading material to allocate, with reference to a link management database storing a link between direct-reading material and additional material, wherein the allocation is carried out based on a total space for the direct-reading material and the additional material;

storing data to be applied to an allocating operation;

determining a specific way of allocating the additional material with respect to relevant direct-reading material based on the stored data; and

performing the allocating operation for the direct-reading material and the additional material in accordance with a type space corresponding to the secondary data,

wherein the primary data of the additional material converted into the secondary data in the form of codes for high-density display comprise data from which information content is obtained directly without accessing a separate storage location, and

wherein the specific way of allocating the additional material with respect to the relevant direct-reading material is selected from among the following ways of allocating the additional material: allocating at an immediate position of the relevant direct-reading material, allocating at a special space, allocating at a directly designated vacant position, or allocating at a directly designated overlapping position.

2. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, wherein said performing an allocating operation comprises linking the direct-reading material designated by a user and the related additional material.

3. (CANCELLED)

4. (CURRENTLY AMENDED) An apparatus that produces printed matter on which a direct-reading material comprising text and pictures, and a related additional material comprising text, sound, and images, are printed, the apparatus comprising:

an encoding mechanism converting primary data of the additional material into secondary data in the form of codes for high-density display;

a determining part configured to determine the additional material linked with the direct-reading material to allocate, with reference to a link management database storing a link between direct-reading material and additional material, wherein the allocation is carried out based on a total space for the direct-reading material and the additional material;

a database storing data to be applied to an allocating operation;

a determining part configured to determine a specific way of allocating the additional material with respect to relevant direct-reading material, based on the data stored in said database; and

a layout design mechanism performing an allocating operation for the direct-reading material and an allocating operation for the additional material in accordance with a type space corresponding to the secondary data,

wherein the primary data of the additional material converted into the secondary data in the form of codes for high-density display comprise data from which information content is obtained directly without accessing a separate storage location, and

wherein the specific way of allocating the additional material with respect to the relevant direct-reading material is selected from among the following ways of allocating the additional material: allocating at an immediate position of the relevant direct-reading material, allocating at a special space, allocating at a directly designated vacant position, or allocating at a directly designated overlapping position.

5. (PREVIOUSLY PRESENTED) The apparatus as claimed in claim 4, further comprising a linking mechanism linking the direct-reading material designated by a user and the

related additional material.

6-8. (CANCELLED)

9. (CURRENTLY AMENDED) A computer-readable recording medium storing a program that produces printed matter containing a direct-reading material and an additional material related to the direct-reading material, the direct-reading material comprising text and pictures, and the additional material comprising text, sound, and images related to the direct-reading material, the program controlling a computer and comprising a process of:

converting primary data of the additional material into secondary data in the form of codes for high-density display;

determining the additional material linked with the direct-reading material to allocate, with reference to a link management database storing a link between direct-reading material and additional material, wherein the allocation is carried out based on a total space for the direct-reading material and the additional material;

storing data to be applied to an allocation operation;

determining a specific way of allocating the additional material with respect to relevant direct-reading material based on the stored data; and

allocating the direct-reading material and the additional material in accordance with a type space corresponding to the secondary data,

wherein the primary data of the additional material converted into the secondary data in the form of codes for high-density display comprise data from which information content is obtained directly without accessing a separate storage location, and

wherein the specific way of allocating the additional material with respect to the relevant direct-reading material is selected from among the following ways of allocating the additional material: allocating at an immediate position of the relevant direct-reading material, allocating at a special space, allocating at a directly designated vacant position, or allocating at a directly designated overlapping position.

10. (PREVIOUSLY PRESENTED) The method as claimed in claim 2, wherein said linking the direct-reading material and the related additional material uses an address of a separate storage location in which said related additional material is stored.

11. (PREVIOUSLY PRESENTED) The method as claimed in claim 1, wherein the

secondary data in the form of codes for high density display comprises two-dimensional barcode.

12. (PREVIOUSLY PRESENTED) The apparatus as claimed in claim 5, wherein said linking mechanism linking the direct-reading material and the related additional material uses an address of a separate storage location in which said related additional material is stored.

13. (PREVIOUSLY PRESENTED) The apparatus as claimed in claim 4, wherein the secondary data in the form of codes for high density display comprises two-dimensional barcode.

14. (PREVIOUSLY PRESENTED) The computer readable recording medium as claimed in claim 9, wherein the secondary data in the form of codes for high density display comprises two-dimensional barcode.